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Process for preparing metallocene catalyst with high-molecular shell-nucleus structure

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Inventor: ZHOU GUANGYUAN (CN); JIN GUOXIN (CN)
Applicant: CHANGCHU INST OF APPLIED CHEM (CN)
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Abstract of CN1294137

A process for preparing the high-molecular metallocene catalyst with shell-nucleus structure for homopolymerization and copolymerization of ethylene and alpha-olefine is disclosed. Said catalyst is composed of component A which is a high-molecular metallocene compound $P(S-CO-(R1)m(R2)nM)i$; component B which is nucleus of catalyst (SiO_2 , Al_2O_3 , $MgCl_2$, or polystyrene microsphere) and component C (methyl aluminoxane or B (C_8F_5)₃). Its advantages include uniform granularity, high flowability and high catalysis effect.

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